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# Energy Independence and Security Act of 2007

## Incandescent Reflectors Energy Efficiency Legislation



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sense and simplicity

# Incandescent reflectors energy efficiency legislation

On December 19, 2007, President George W. Bush signed H.R.6, the Energy Independence and Security Act of 2007 (the "Act") into law. This Act sets aggressive energy efficiency standards to help increase efficiency of products, buildings, and vehicles. Ultimately the goal is to move the U.S. towards greater energy independence and security.

Subtitle B, Section 322 expands the types of incandescent reflector lamps covered by efficiency standards prescribed in the Energy Policy Act and Conservation Act. In general, the legislation prohibits the manufacture of certain incandescent reflector lamps unless they meet or exceed energy efficiency standards set forth in the Act.

## When did this Act take effect?

The Act took effect on January 1, 2008 (Technical corrections bill must be passed to confirm an effective date of June 17, 2008).

## Are there types of reflectors that are exempt from the legislation?

- ≤ 45 watt R20
  - ≤ 50 watt ER30
  - ≤ 50 watt ER40
  - 65 watt ER40
  - ≤ 50 watt BR30
  - ≤ 50 watt BR40
  - 65 watt BR30
  - 65 watt BR40
- Lamps that are colored or designed for rough or vibration service applications

## Do Philips Halogen and Compact Fluorescent reflector lamps meet the legislations' efficiency requirements?

Yes. We've indicated inside this brochure which lamps should be used as replacements for lamps not meeting the requirements.

## How can I be compliant with the efficiency standards?

The Act applies to products manufactured on or after the effective date. We recommend you begin converting to either a comparable incandescent, halogen, or compact fluorescent reflector which meets the new guidelines, as you deplete your existing inventory. The inside of this brochure has a product replacement guide which will help you find the best replacement product for your needs.

## Is Philips taking back any inventory of non-compliant reflectors?

No. Philips is not responsible for taking back any inventory.

## How can I obtain pricing for the alternate product offering?

Contact your local Philips Sales Representative for pricing information.

## Which lamp should I use for those lamps that do not have a direct replacement?

The recommendation is to use the next lowest wattage lamp which meets the efficiency standards.

## Some of the benefits of upgrading to a more energy efficient reflector lamp:



### Philips Halogen Indoor Flood/Spot Reflectors

- Provides bright, white light
- Lasts 2 years\*



### Philips Compact Fluorescent Reflector Flood Lamps

- Provides soft, white light with less heat
- Lasts 7 years\*\*
- Reduces energy costs when compared to an equivalent incandescent bulb.



### Philips Energy Advantage IRC PAR Reflectors

- Saves energy when compared to standard halogen lamps
- Lasts longer than standard halogen lamps
- 4200 hours rated average life\*\*\*

\*Based on 4 hours average usage per day/7 days per week.

\*\*Based on 3-4 hours of average usage per day.

\*\*\*Rated average life is the length of operation (in hours) at which point an average of 50% of the lamps will still be operational and 50% will not.



## Impact on the future

Section 321 of the Act sets efficiency standards for "general service" light bulbs that will essentially phase-out the most common incandescent light bulbs between 2012-2014. The standards can be met by using advanced incandescent (i.e., halogen) bulbs, compact fluorescent lamps (CFLs), and light-emitting diodes (LEDs). Specialty bulbs, including chandelier and appliance, are exempt from the standards. More details on Philips Lighting Company's action plans will be communicated as the effective date comes closer.

# Energy Independence and Security Act of 2007

## Incandescent Reflectors Energy Efficiency Legislation

INCANDESCENT LAMPS  
NOT MEETING LEGISLATION

### Philips Upgrade Products

INCANDESCENT

HALOGEN

COMPACT FLUORESCENT

#### R20



**Product Number / Description**

**14019-4** 50R20/FL 130V 12/1 PRO  
**22082-2** 50R20 130V 12/1  
**16755-1** 50R20/LL 120V 12/1TP  
**16763-5** 75R20/LL 120V 12/1TP  
**16701-5** 100R20/LL 120V 12/1 TP

**Product Number / Description**

**20324-0** 45R20/FL 130V 12/1 PRO\*  
**20322-4** 45R20 130V 12/1\*  
**22314-9** 45R20/LL 120V 4/3 (Flood) TP\*  
**20323-2** 45R20/LL 120V 12/1\*  
No Direct Replacement  
No Direct Replacement

**Product Number / Description**

**26348-3** 45PAR16/HAL/FL27 130V 15PK  
**22921-1** 50PAR20/HAL/FL25 130V 15PK  
**22911-2** 50PAR20/HAL/FL25 120V 15PK  
**22236-4** 40R20/HEA/FL 120V 12/1\*  
No Direct Replacement

**Product Number / Description**

No Direct Replacement  
No Direct Replacement  
**15701-6** EL/A R20 14W  
No Direct Replacement  
No Direct Replacement

#### BR19



**Product Number / Description**

**16750-2** 50BR19/25/SP/LL 120V 12/1TP

**Product Number / Description**

**22315-6** 45R20/LL 120V 4/3 (Spot) TP

**Product Number / Description**

**22911-2** 50PAR20/HAL/FL25 120V 15PK

**Product Number / Description**

**15701-6** EL/A R20 14W

#### BR30



**Product Number / Description**

**13796-7** 85BR30/FL55/LL 120V 12/1TP  
**16767-6** 85BR30/SP20/LL 120V 6/1  
**16766-8** 85BR30/FL55/LL 120V 6/1 TP

**Product Number / Description**

**24876-5** 65BR30/FL55 120V 12/1  
**16769-2** 65BR30/SP20/LL 120V 12/1 TP  
**13835-4** 65BR30/FL55/LL 120V 6/1

**Product Number / Description**

**22944-3** 75PAR30L/HAL/WFL40 120V 15PK  
**22930-2** 75PAR30L/HAL/SP10 120V 15PK  
**22944-3** 75PAR30L/HAL/WFL40 120V 15PK

**Product Number / Description**

**15703-2** EL/A R30 15W Reflector  
**15703-2** EL/A R30 15W Reflector  
**15703-2** EL/A R30 15W Reflector

#### BR38



**Product Number / Description**

**14009-5** 75BR38/FL 130V 6/1 PRO  
**15050-8** 75BR38/CLEAR 120V 6/2  
**14010-3** 150BR38/FL 130V 6/1 PRO  
**15051-6** 150BR38/CLEAR 120V 6/2

**Product Number / Description**

No Direct Replacement  
No Direct Replacement  
No Direct Replacement  
No Direct Replacement

**Product Number / Description**

**14491-5** 60PAR38/HAL/WFL40 130V 12PK  
**14484-0** 60PAR38/HAL/WFL40 120V 12PK  
**14495-5** 90PAR38/HAL/WFL40 130V 12PK  
**14487-3** 90PAR38/HAL/WFL40 120V 12PK

**Product Number / Description**

No Direct Replacement  
**15715-6** EL/A PAR38 23W Reflector  
**14644-9** EL/A PAR38 20W Dimmable Reflector  
No Direct Replacement  
**15715-6** EL/A PAR38 23W Reflector  
**14644-9** EL/A PAR38 20W Dimmable Reflector

#### BR40



**Product Number / Description**

**16785-8** 85BR/FL60/LL 120V 8/1TP  
**22527-6** 85BR/FL60 120V 24/1'S  
**22528-4** 85BR/FL60 130V 24/1" S  
**16781-7** 120BR/SP20/LL 120V 8/1  
**22532-6** 120BR/FL60 130V 24/1" S  
**14012-9** 120BR/FL 130V 12/1 PRO  
**22541-7** 120BR/FL60 120V 24/1" S  
**16779-1** 120BR/FL60/LL 120V 8/1TP  
**22544-1** 120BR/SP20 120-130V CDA 24/1  
**14341-2** 200BR/FL 120V 24/1

**Product Number / Description**

**16741-1** 65BR/FL60/LL 120V 8/1 TP  
**38913-0** 65BR/FL60 120V 24/1  
**22537-5** 65BR/FL60 130V CDA 24/1  
No Direct Replacement  
**22537-5** 65BR/FL60 130V CDA 24/1  
**14008-7** 65BR40/FL 130V 12/1 PRO  
**38913-0** 65BR/FL60 120V 24/1  
**16741-1** 65BR/FL60/LL 120V 8/1 TP  
No Direct Replacement  
No Direct Replacement

**Product Number / Description**

**14483-2** 60PAR38/HAL/FL25 120V 12PK  
**14486-5** 75PAR38/HAL/FL25 120V 12PK  
**14494-9** 75PAR38/HAL/FL25 130V 12PK  
**23069-8** 90PAR38/HAL/SP10 120V 12PK  
**14495-5** 90PAR38/HAL/WFL40 130V 12PK  
**13918-8** 60PAR38/IRC/WFL40 130V 12PK  
**13402-3** 90PAR38/HAL/FL/LL 120V 6/1TP  
**14487-3** 90PAR38/HAL/WFL40 120V 12PK  
**23650-5** 90PAR38/HAL/SP10 130V 12PK  
**13877-6** 100PAR38/IRC/FL25 120V 12PK

**Product Number / Description**

No Direct Replacement  
**13708-3** EL/A R40 20W Dimmable Reflector  
**15702-4** EL/A R40 23W Reflector  
No Direct Replacement  
No Direct Replacement  
No Direct Replacement  
No Direct Replacement  
**13708-3** EL/A R40 20W Dimmable Reflector  
**15702-4** EL/A R40 23W Reflector  
No Direct Replacement  
No Direct Replacement

#### ER30



**Product Number / Description**

**14353-7** 75ER30 120V 24/1  
**14354-5** 75ER30 130V 24/1

**Product Number / Description**

**14355-2** 50ER30 120/130V 24/1  
**14355-2** 50ER30 120/130V 24/1

**Product Number / Description**

**38875-1** 60BR30/HAL/SPOT 6/1TP  
**22943-5** 75PAR30L/HAL/FL25 130V 15PK

**Product Number / Description**

No Direct Replacement  
No Direct Replacement

#### ER40



**Product Number / Description**

**13928-7** 120ER40 120/130V 24/1

**Product Number / Description**

No Direct Replacement

**Product Number / Description**

**13875-0** 60PAR38/IRC/WFL40 120V 12PK

**Product Number / Description**

No Direct Replacement